

APPENDIX B08

INCIDENTAL PRECAST CONCRETE PRODUCER QUALITY CONTROL PLAN CHECKLIST

Instructions:

1. This checklist will be used by the Department during the evaluation of Quality Control Plans (QCP) submitted by Incidental Precast Concrete Producers. The checklist may also be used as a guideline for creating a QCP to be submitted to the Department.
2. Refer to FDOT Standard Specifications Section 105-4.6 for more information regarding the submission of a Producer QCP.
3. The information section above the checklist is designed to record general production facility information. Producers shall use it as a template for identifying information on the cover page of the QCP.

Company: _____ Vendor / Tax ID: _____
 Physical Address: _____ FDOT ID: IPC _____
 City: _____ State: _____ Zip Code: _____ County: _____
 Decimal Latitude / Longitude Coordinates: _____ / _____
 Mailing Address (if different from above): _____
 City: _____ State: _____ Zip Code: _____ County: _____
 Primary Contact: _____ Phone #: _____
 Email Address: _____ Fax #: _____
 QCP Date: _____

QCP Item	Y/N	QCP Pg.
1. Personnel		
<i>A. Key Personnel List</i>		
1) On-site production and general manager (or equivalents), including work experience identified? (MM 8.2.6.2)		
2) Quality control (QC) manager, inspectors, and technicians, including work experience identified? (MM 8.2.6.2)		
<i>B. Qualifications</i>		
1) List of all technicians performing sampling, testing and inspection for both field and laboratory; including Technician Identification Numbers (TINs), names and expiration dates of CTQP, ACI and other pertinent certifications. (105-4.6.1.1, MM 8.2.6.2)		
2) Copy of QC Manager Level II certification attached? (105-8.10.2.3)		
3) Copy of QC Inspector Level II certification(s) attached? (105-8.10.2.2)		

QCP Item	Y/N	QCP Pg.
4) Copy of QC Inspector Level I certification(s) attached? (105-8.10.2.1)		
5) Copy of ACI Concrete Field Grade 1 certification(s) attached? (105-8.10.2.4.1)		
6) Copy of ACI Concrete Lab Level 1 or Strength Testing Technician certification(s) attached? (105-8.10.2.4.1)		
C. Level of Responsibility		
1) Roles and responsibilities of personnel involved in the quality control process identified? (105-4.6.1.2, MM 8.2.6.2, MM 8.2.7.2)		
2. Raw Materials		
A. Source		
1) Manufacturer of prestressing strand*, reinforcing steel, and other items incorporated into the work identified? (105-4.6.2.1)		
2) Method for identifying reinforcing material LOTS described? (450-4.2.1*)		
3) List of applicable products, including APL numbers for materials for concrete repair, epoxy bonding compounds, membrane- forming curing compounds, and other materials included? (400-2, MM 8.2.8.3)		
B. Certification		
1) Methods of verifying material certification compliance with the Specifications described? (105-4.6.2.2)		
C. Disposition of Failing Materials		
1) System for controlling non-conforming materials, including procedures for identification, isolation, and disposition described? (105-4.6.2.3, MM 8.2.8.3)		
D. Storage		
1) Method for storing raw materials, including steel and strand* described? (105-4.6.3, MM 8.2.7.6.2, 415-3, 450-7.1)		
3. Plant and Production Requirements*		
A. Production Equipment		
1) Calibration and verification schedule for stressing equipment* and concrete lab/field testing equipment described? (105-4.6.4, MM 8.2.7.5, MM 9.2.6.5.1, 450-8.1)		
B. Process Control System		
1) Method for fixing strands* and supporting reinforcing steel described? (MM 8.2.7.6.4, 415-5, 415-6, 450-3.2, 450-8.2.6, 450-9.1)		
2) For aluminum forms, information regarding the application of a protective barrier to minimize the natural reactivity between aluminum and fresh concrete included? (MM 8.2.7.6.3.1)		
3) Method of stressing and determining losses (live end and dead end slippage) described?* (450-8.2.1)		
4) Method and frequency for the inspection of reinforcement, prestressing strand*, and accessories described? (450-2.1, MM 8.2.7.6.4)		

QCP Item	Y/N	QCP Pg.
5) Concrete placement method described? (MM 8.2.7.6.5)		
6) Method of curing described? (MM 8.2.6.6.6)		
7) Method and frequency for inspecting form removal and de-tensioning procedures* described? (450-2.1, 450-6.1)		
8) Detensioning time limit included?* (450-11.1)		
9) Method of stress transfer described? (Sequence/pattern used).*(450-11.2, 450-11.3)		
10) Method and frequency for the inspection of finished products described? (105-4.6.5.2, MM 8.2.8.3)		
11) Repetitive non-conformance corrective action plan (if applicable) included? (MM 8.2.8.3)		
C. Loading and Shipping Control		
1) Description of method to prevent damage during handling, storing, and loading of finished products included? (105-4.6.5.3, MM 8.2.8.7)		
D. Types of Products Generated		
1) The type of products that are generated for the Department listed and described? (105-4.6.5.4)		
4. Other Requirements		
A. Submittal of Certification		
1) Copy of notarized Material Certification (206) letter provided to the Engineer at the beginning of each project, certifying that the plant will manufacture the products in accordance with the requirements set forth in the Contract Documents and the Producer QC Plan attached? (105-4.7.1, 6-1.3.1, MM 8.2.8.7)		
2) Copy of certification signed by a legally responsible person of the plant, on the plant's letterhead, stating that the listed precast products have been produced under the Producer QC Plan and meet the Contract Document requirements attached? (105-4.7.1)		
B. Statement of Compliance		
1) Statement of compliance with all quality requirements set forth by the Department in the Contract Documents and Department manuals included? (105-4.7.2)		
C. Statement of Quality		
1) Management statement of dedication to quality included? (MM 8.2.6.2)		
D. Document Storage		
1) Method for uniform reporting, reviewing and record keeping described, including material certifications, test reports, pre and post placement inspection reports, deficiencies found, record of tensioning operations, and the location of document storage to enable Department review? (105-4.7.3)		

QCP Item	Y/N	QCP Pg.
5. Final Manufactured Product – Plant Operations		
A. <i>Storage</i>		
1) Plant layout diagram to designate storage of products produced for the Department included? (MM 8.2.6.2.2.4, MM 8.2.8.5)		
2) Methods and measures for monitoring stored products described? (150-4.8.1)		
B. <i>Disposition of Failing Materials</i>		
1) Methods and measures for identifying and controlling non-complying products described? (105-4.8.2)		
2) A copy of the plant's proposed repair methods for deficiencies included? (MM 8.2.6.2)		
C. <i>QC Stamp</i>		
1) Copy of QC stamp included? (MM 8.2.8.6)		
2) Procedure for applying QC stamp, including statement that the Department-issued plant number will only be applied to FDOT projects, and point in time when applied to product included? (MM 8.2.8.6)		
6. Testing Laboratories		
A. Approved testing laboratories identified? (105-4.9)		
7. Department Inspection Access		
A. Statement allowing Department access while Department representatives are at the production facility included? (105-4.10)		

*Note: The items that relate to prestressing do not apply for plants that do not perform prestressing operations.

Appendix Last Updated: February 1, 2017